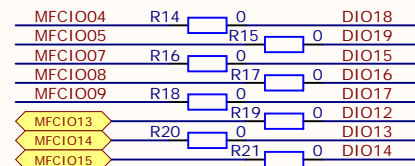
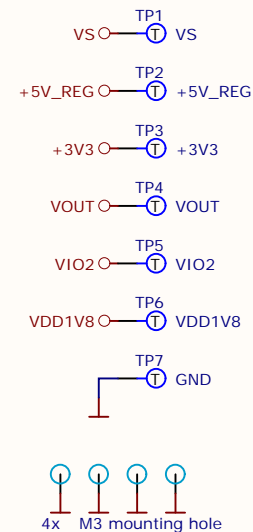
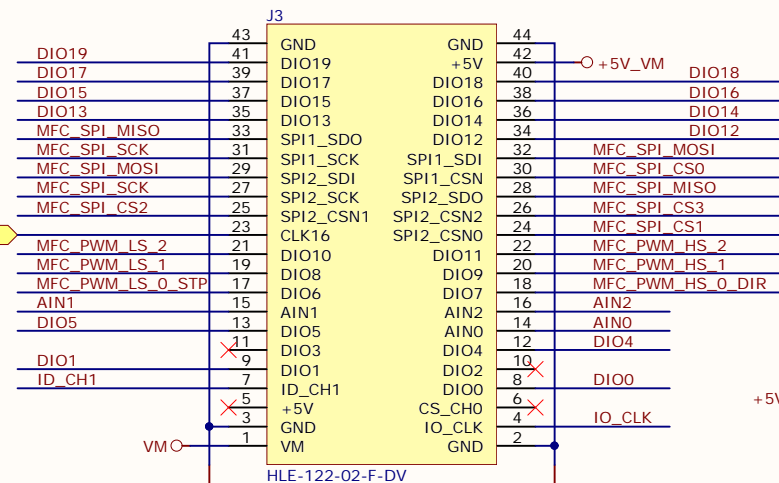


*Left Connector (uC)*

*Right Connector (DRV)*



Drafted by: Peep Narusberg  
Checked by: ---  
Approved by: Stephan Kubisch

Title TMC8462A-EVAL Main Connector s

Size: <b>A4</b>	Revision: <b>V1.0</b>	[No Variations]
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Date: 31.07.2019 Time: 16:09:07 Sheet 1 of 6

File: TMC8462A-EVAL-V1.0 Main.SchDoc

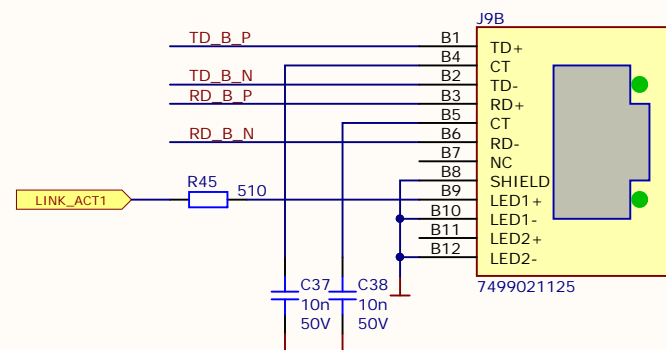
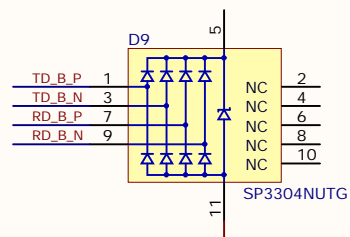
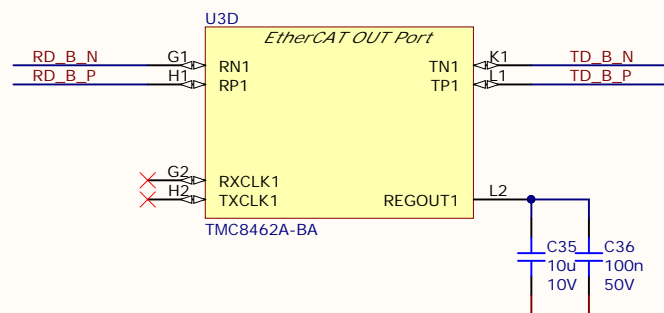
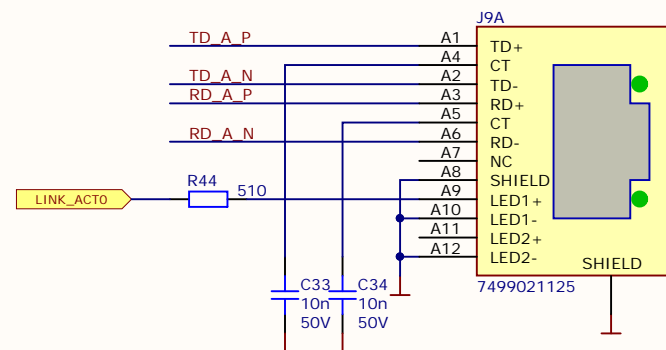
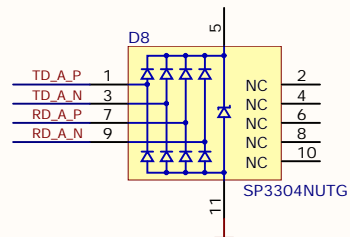
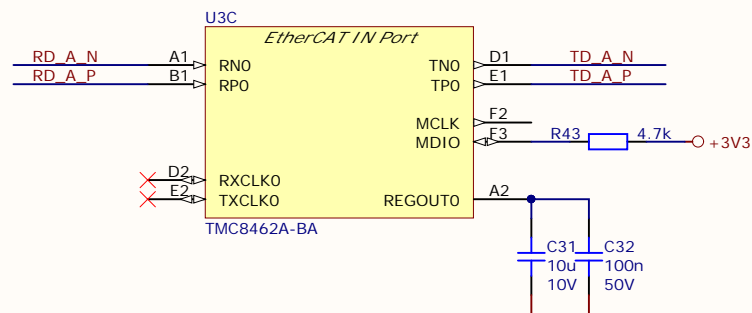


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Approved by: Stephan Kubisch

Title <b>TMC8462A-EVAL PHY Ports</b>		
Size: <b>A4</b>	Revision: <b>V1.0</b>	[No Variations]
Date: <b>31.07.2019</b>	Time: <b>16:09:08</b>	Sheet <b>5</b> of <b>6</b>
File: <b>TMC8462A-EVAL-V1.0 PHY.SchDoc</b>		



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A

B

C

D

A

B

C

D

TMC8462-EVAL V3.1 -> TMC8462A-EVAL V1.0  
1. Created project from old version, changed name  
2. Replaced part U3 with TMC8462A-BA  
3. Removed R28 and R29  
4. Connected TSTCLK\_SELECT to GND  
5. Replaced quartz Y1 with 25 MHz version  
6. Trim routes

TMC8462-EVAL V3.0 -> TMC8462-EVAL V3.1  
1. Changed SPI1\_SDI to SPI1\_MOSI and SPI1\_SDO to SPI1\_MISO  
2. Flipped EEPROM SPI data lines

TMC8462 V2.0 -> TMC8462-EVAL V3.0  
1. Corrected RJ-45 connectors pinout  
2. Added protective TVSs to Ethernet signals  
3. Changed JP2 pinout


TMC8462 V0.9pre2 -> TMC8462-EVAL V2.0  
1. Changed oscillator Y1 to 100MHz in 3.2 x 2.5mm case  
2. Renamed the pin REF\_CLK25\_IN to REF\_CLK100\_IN in symbol  
3. Connected TSTCLK\_SELECT pin over pullu-up to +3V3, over DNP resistor to GND  
4. Deleted inversion from signal RESET\_OUT  
5. Renamed the signal NRST to NRESET  
6. Added reset signal RST\_IN to pin 6 of J4  
7. Added inverting stage with BC848A to connect RST\_IN to NRESET  
8. Renamed the following pins of the TMC8462:  
o FXSD0 -> TXERO  
o FXSD1 -> TXER1  
o FIB\_MOD0 ->RXDV0  
o FIB\_MOD1 ->RXDV1  
9. Moved those signals to TMC8462 symbol part B  
10. Corrected sheet numbers  
11. Added mounting hole symbols to sheet 1  
12 Renumbered resistors

TMC8462-V0.9pre1 -> TMC8462 V0.9pre2  
1. Replaced sheets 1-4 with sheets from TMC8461  
2. Changed TMC8461 with TMC8462  
3. Deleted resistors from Control sheet,  
4. Renumbered components  
5. Swap for SPI signals on J2 pins 28 & 29

TMC8462 V0.9pre1  
1. Made from TMC8462-V0.9pre6

ToDo:

Drafted by: Peep Narusberg  
Checked by: ---  
Approved by: Stephan Kubisch

Title <b>TMC8462A-EVAL log and approval</b>			 <b>TRINAMIC</b> MOTION CONTROL	Waterloohain 5 22769 Hamburg Germany <a href="mailto:tmc_info@trinamic.com">tmc_info@trinamic.com</a>
Size: <b>A4</b>	Revision: <b>V1.0</b>	[No Variations]		
Date: <b>31.07.2019</b>	Time: <b>16:09:08</b>	Sheet <b>6</b> of <b>6</b>		
File: <b>TMC8462A-EVAL-V1.0 Log.SchDoc</b>				